



# ACM3 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Catalog No</b>                  | YP-Ab-07396                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>                   | CHRM3                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>                   | Synthesized peptide derived from human protein . at AA range: 270-350                                                                                                                                                                                                                                                                                                                                                             |
| <b>Specificity</b>                 | ACM3 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                             |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>                    | EGBRS;HM3;PBS;m3AChR;Chrm-3;M3;M3R;ACM3_HUMAN;CHRM3;ACM3_MOUSE;Mm3 mAChR;ACM3_RAT;ACM3;Muscarinic acetylcholine receptor M3                                                                                                                                                                                                                                                                                                       |
| <b>Observed Band</b>               | 60 kDa                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Calculated Molecular Weight</b> | 66 kDa                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cell Pathway</b>                | Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Colocalizes with TMEM147 in the endoplasmic reticulum (ER) membrane. TMEM147 impairs its trafficking to the cell membrane leading to its retention in the ER membrane. . |
| <b>Tissue Specificity</b>          | Brain,Teratocarcinoma,                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>                    | function:The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.,similarity:Belongs to the G-protein coupled receptor 1 family.,                                                                                   |

**Background**

The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 3 controls smooth muscle contraction and its stimulation causes secretion of glandular tissue. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**